

CLAIMS

What is claimed is:

- 1 1. A method of transporting voice, voiceband data and phone signaling over a
2 network, the method comprising the steps of:
3 converting analog phone signals into packets for transporting digitized voice,
4 digitized voiceband data and digitized phone signaling, wherein said
5 packets conform to a set of protocols that excludes IP; and
6 transmitting said packets over a local area network that supports levels of
7 transmission priority for transmitting data.
- 1 2. The method of Claim 1, wherein said local area network
2 follows an HomePNA network protocol.
- 1 3. The method of Claim 1, wherein said packets include packets that conform to
2 an AAL2 format.
- 1 4. The method of Claim 1, wherein the step of transmitting includes
2 transmitting said packets over phone line inside wiring in a residence that is
3 connected to one or more analog telephones.
- 1 5. The method of Claim 1, wherein the step of transmitting includes causing
2 said packets to be transmitted at a particular level of said levels of
3 transmission priority.
- 1 6. The method of Claim 5, wherein said particular level is the highest level of
2 said levels of transmission priority.

1 7. The method of Claim 1, wherein the steps of converting and transmitting are
2 performed by a phone line adaptor connected to a separate device that
3 transmits said analog phone signals to said phone line adaptor.

8. A network device that can transmit voice, voiceband data and phone signaling via a network, comprising:

- a Codec configured to receive analog phone signals and generate digitized voice, and digitized voiceband data;
- a SLIC configured to receive analog phone signaling and generate digitized phone signaling;
- a network interface for interfacing to an LAN that follows a local area network protocol that supports levels of transmission priority for transmitting data;

said network device configured to generate packets that include said digitized voice, digitized voiceband data and digitized phone signaling, wherein said packets conform to a set of protocols that excludes IP; and

said network device configured to transmit said packets via said local area network.

1 9. The network device of Claim 8, wherein said local area network
2 protocol is a HomePNA network protocol.

1 10. The network device of Claim 8, wherein said packets also conform to an
2 AAL2 format.

1 11. The network device of Claim 8, wherein said LAN uses as a transmission
2 medium phone line inside wiring in a home that is connected to one or more
3 analog telephones.

1 12. The network device of Claim 8, wherein said network device is configured to
2 cause said packets to be transmitted at a particular level of said levels of
3 transmission priority.

1 13. The network device of Claim 12, wherein said particular level is the highest
2 level of said levels of transmission priority.

1 14. The network device of Claim 8, wherein said network device is a phone line
2 adapter configured to receive said phone analog signals from a separate
3 device connected to said phone line adaptor.

1 15. A network device that can transmit digitized voice, digitized voiceband data,
2 and digitized phone signaling via a network, comprising:
3 a Codec configured to receive analog phone signals and generate digitized
4 voice and digitized voiceband data;
5 a SLIC configured to receive analog phone signaling and generate digitized
6 versions of said analog phone signaling.
7 a means for interfacing to an LAN that follows a local area network protocol
8 that supports levels of transmission priority for transmitting data and
9 that uses inside wiring as a transmission medium;
10 a means for generating packets for transporting digitized voice, digitized
11 voiceband data and digitized phone signaling, wherein said packets
12 conform to a set of protocols that excludes IP; and

